

RESEARCH INTEGRATED IAM SERVICES INSIDE DELPHION

[My Account](#) | [Products](#) | [News](#) | [Events](#) Search: [Quick/Number](#) [Boolean](#) [Advanced](#) [Help](#)

The Delphion Integrated View

Buy Now: [More choices...](#)Tools: Add to Work File: [Create new Work File](#) ☒ [Go](#)Vi w: [INPADOC](#) | Jump to: [Top](#) ☒ Go to: [Derwent...](#)[Email this to a friend](#)

🔍 Title: **JP63004562A2: PASTE TYPE NICKEL POSITIVE ELECTRODE**

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **ISAWA KOJI;
OCHIWA KENICHI;**

🔍 Assignee: **TOSHIBA BATTERY CO LTD**
[News, Profiles, Stocks and More about this company](#)

🔍 Published / Filed: **Jan. 9, 1988 / June 25, 1986**

🔍 Application Number: **JP1986000147091**

🔍 IPC Code: **H01M 4/80;**

🔍 Priority Number: **June 25, 1986 JP1986000147091**

🔍 Abstract:

PURPOSE: To increase current collecting efficiency by welding metal plates comprising slender nickel plate or nickel plated steel plate to the upper end of a positive substrate obtained by making a nonwoven fabric with nickel fibers produced by chatter vibration cutting method and sintering.

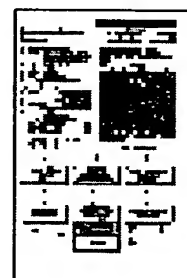
CONSTITUTION: Nickel fibers produced by chatter vibration cutting method are formed in a nonwoven fabric, then sintered to obtain a substrate. Metal plates comprising slender nickel plate or nickel plated steel are fixed to the upper end of the substrate at regular intervals by spot welding or surface welding. A paste-like active material is filled in the substrate, dried, then pressed to control the thickness to obtain a paste type positive electrode. A current collecting lug is welded to the positive electrode or a disk-like current collector is welded to a plate group obtained by winding the positive electrode, a separator, and a negative electrode. Fixing of the current collecting lug or the disk-like current collector is made easy, and current collecting efficiency of the positive electrode is increased. Therefore, good charge-discharge efficiency can be obtained.

COPYRIGHT: (C)1988,JPO&Japio

🔍 Family: **None**




🔍 Forward
References:

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6348283	2002-02-19	Mas; Jean-Fran.cedilla.ois	Alcatel	Storage cell in which an electrode has an edge reinforced by a metal strip
	US6284408	2001-09-04	Akazawa; Toshihiro	Sanyo Electric Co., Ltd.	Battery having protective tape on connecting band of electrode

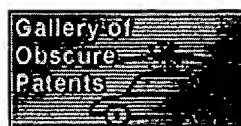


[View Image](#)

1 pag

	US5912315	1999-06-15	Horiie; Takafumi	Sanyo Chemical Industries, Ltd.	Polymer composite, its molded article, and laminate
	US5534590	1996-07-09	Horiie; Takafumi	Sanyo Chemical Industries, Ltd.	Polymer composite, its molded article and laminate
	US4998143	1991-03-05	Kumasaka; Takao	Hitachi, Ltd.	Electrophotographic image transfer member, electrophotographic image transfer device and electrophotographic recording apparatus

Other Abstract Info: CHEMABS 108(18)153673V CAN108(18)153673V DERABS C88-046512 DERC88-046512



[Nominate this for the Gallery...](#)

© 1997-2002 Delphion, Inc. [Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact Us](#)



(19)

(11) Publication number:

63004562 A

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **61147091**(51) Intl. Cl.: **H01M 4/80**(22) Application date: **25.06.86**

(30) Priority:

(43) Date of application
publication: **09.01.88**(84) Designated contracting
states:(71) Applicant: **TOSHIBA BATTERY CO LTD**(72) Inventor: **ISAWA KOJI**
OCHIWA KENICHI

(74) Representative:

**(54) PASTE TYPE NICKEL
POSITIVE ELECTRODE**

(57) Abstract:

PURPOSE: To increase current collecting efficiency by welding metal plates comprising slender nickel plate or nickel plated steel plate to the upper end of a positive substrate obtained by making a nonwoven fabric with nickel fibers produced by chatter vibration cutting method and sintering.

CONSTITUTION: Nickel fibers produced by chatter vibration cutting method are formed in a nonwoven fabric, then sintered to obtain a substrate. Metal plates comprising slender nickel plate or nickel plated steel are fixed to the upper end of the substrate at regular intervals by spot welding or surface welding. A paste-like active material is filled in the substrate, dried, then pressed to control the thickness to obtain a paste type positive electrode. A current collecting lug is welded to the positive electrode or a disk-like current collector is welded to a plate group obtained by winding the positive electrode, a separator, and a negative electrode. Fixing of the current collecting lug or

the disk-like current collector is made easy, and current collecting efficiency of the positive electrode is increased. Therefore, good charge-discharge efficiency can be obtained.

COPYRIGHT: (C)1988,JPO&Japio